

Magnetic field sensor

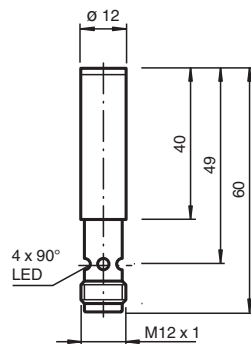
MMB60-12H50-E2-V1



- Stainless steel sensing face
- 3-wire DC



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	60 mm
Installation		flush
Output polarity		DC
Actuating element		magnetic
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	5000 Hz
Hysteresis	H	1 ... 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V DC
Operating current	I_L	≤ 100 mA
Current consumption		< 10 mA

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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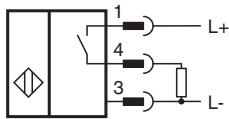
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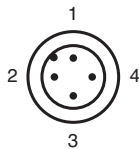
Technical Data

Indicators/operating means	
Operation indicator	4-way LED Switching state indicator: yellow
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	0 ... 100 °C (32 ... 212 °F)
Mechanical specifications	
Connection type	V1 connector (M12 x 1), 4-pin
Housing material	stainless steel V4A
Sensing face	stainless steel V4A
Degree of protection	IP65 / IP68 / IP69K /

Connection



Connection Assignment





Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Accessories

	V1-G-OR2M-POC	Female cordset single-ended M12 straight A-coded, 4-pin, POC cable welding-bead resistant orange, suitable for robotic applications, torsion resistant, oil resistant, molecularly cross-linked
	V1-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey

Accessories

	V1-W-2M-PUR	Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey
	DM 60-31-15	Permanent magnet for magnetic field sensors